UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/684,047	10/06/2000	Benjamin Bin Li	00-8018	3050

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EXAMINER
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ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 07/14/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

	Application No.	**Applicant(s)**
Office Action Summary	09/684,047	LI, BENJAMIN BIN
	Examiner	**Art Unit**
	Yasin M Barqadle	2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-17* is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-17* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

　　If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____ .

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

　　a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .

4)☐ Interview Summary (PTO-413) Paper No(s). _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other:

DETAILED ACTION

1.   Claims 1-17 are presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs

of 35 U.S.C. 102 that form the basis for the rejections under

this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published
under section 122(b), by another filed in the United States before the
invention by the applicant for patent or (2) a patent granted on an
application for patent by another filed in the United States before the
invention by the applicant for patent, except that an international
application filed under the treaty defined in section 351(a) shall have the
effects for purposes of this subsection of an application filed in the
United States only if the international application designated the United
States and was published under Article 21(2) of such treaty in the English
language.

2.   Claims 1-5 and 11-13 are rejected under 35 U.S.C. 102(e) as

being anticipated by Flom et al US. Pub. (20010054087).

As per claim 1, Flom et al teach a system for caching data from

an origin server (Internet server 92, Fig. 9), comprising

[abstract]:

a user profile database (Fig. 1, 10c) that stores at least

one user profile containing output preference data with respect

to at least one of output content and output layout [page 3,

paragraphs 0032-0034];

an object database (Fig. 1, 14) for storing selected data
from the origin server [page 2, paragraphs 0010]; and

a dynamic information composer (Fig. 1, 90) coupled to the
object database and the user profile database, wherein the
dynamic information composer composes user-specific information
as an output based on data in the object database and the user
profile [page 1, paragraphs 0007-0008].

As per claim 2, Flom et al teach system of claim 1, further
comprising a user profile generator coupled with the user profile
database to generate a new user profile [page 2, paragraphs 0012-
0013].

As per claim 3, Flom et al teach system of claim 1, wherein the
dynamic information composer composes the user-specific
information in WML [page 4, paragraphs 0034 and 0041].

As per claim 4, Flom et al teach system of claim 3, wherein the
dynamic information composer composes the user-specific
information in real time [page 3, paragraphs 0031].

As per claim 5, Flom et al teach system of claim 1, further
comprising a change trigger coupled to the user profile database,
the object database, and the dynamic information composer,
wherein the change trigger monitors changes in the object

database and triggers output delivery when a number of

information changes in the object database reaches a

predetermined threshold [page 6, paragraph 0057].

As per claim 11, Flom et al teach a method for caching data from

an origin server, comprising the steps of (abstract):

obtaining a user profile and an information request, wherein

the user profile contains output preference data with respect to

at least one of output content and output layout [page 1,

paragraphs 008-009 and page 3, paragraphs 0032-0034];

storing selected data from the origin server in an object

database [page 1, paragraphs 008-009 and page 3, paragraphs 0032-

0034];

fetching requested information from the object database if

the object database contains the requested information [page 1,

paragraphs 008-0011 and page 3, paragraphs 0032-0034];

fetching and caching information from the origin server into

the object database as the selected data if the object database

does not contain the requested information [page 1, paragraphs

008-0011 and page 3, paragraphs 0032-0034];   and

composing user-specific information based on the requested

information from the fetching steps and the user profile

information [page 1, paragraphs 007-009 and page 3, paragraphs

0032-0034].

As per claim 12, Flom et al teach method of claim 11, further comprising the step of delivering the user-specific information to a wireless device after the composing step [page 1, paragraphs 008-009].

As per claim 13, Flom et al teach method of claim 12, further comprising the steps of: monitoring a number of information changes in the object database [page 6, paragraph 0057]; and

triggering the delivery step once the number of information changes in the object database reach a predetermined threshold [page 6, paragraph 0057].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3.   Claims 6-10 and 14-17 are rejected under 35 U.S.C. 103(a) as
being unpatentable over Flom et al US. Pub. (20010054087) in view
of Mahanti et al US. Pub. (20020052824).

As per claims 6 and 14, although Flom et al shows substantial
features of the claimed invention as explained in claims 1 and 11
above, he does not explicitly show converting an image format of
the selected data from the origin server, wherein the object
database caches the selected data in the object database after
image format conversion.

Nonetheless, this feature is well known in the art and would
have been an obvious modification of the system disclosed by Flom
et al, as evidenced by Mahanti et al US. Pub. (20020052824).

In analogous art, Mahanti et al disclose a system that
converts (translates) an image format (HTML) of selected data
from web server and stores a copy in a data cache server [page
3, paragraphs 0043].

Giving the teaching of Mahanti et al, a person of ordinary
skill in the art would have readily recognized the desirability
and the advantage of modifying Flom et al by employing the
system of Mahanti et al in order to accommodate a wide variety
of display devices that have highly variable display
capabilities and to achieve formatting that is appropriate for
different devices.

As per claim 7 and 16, Mahanti et al teach the invention, further comprising a document converter coupled to the object database for extracting data segments of the selected data from the origin server [page 3, paragraphs 0041-0043].

As per the limitation in claim 7, based on the output preference data, wherein to the dynamic information composer composes the user-specific information based on the data segments, see the rejection on claim 1 above.

As per claim 8, Mahanti et al teach the invention, wherein the document converter converts an HTML file into an XML file and stores the XML file in the object database, and wherein the dynamic information composer composes the user-specific information based on an XML-based content tag in the XML file [Note XML tag is an inherent feature of XML, page 3, paragraphs 0041-0043].

As per claim 9, see the rejection on claim 7, above.

As per claim 10 and 17, Mahanti et al teach the invention, wherein the document converter converts an HTML file into an XML file and stores the XML file in the object database, and wherein the dynamic information composer composes the user-specific information based on an XML-based content tag in the XML file [Note XML tag is an inherent feature of XML, page 3, paragraphs 0041-0043].

As per claim 15, see the rejection made on claim 6 and 14 above.

Conclusion

4.   The prior made of record and not relied upon is considered

pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier

communications from the examiner should be directed to Yasin M

Barqadle whose telephone number is 703-305-5971. The examiner

can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are

unsuccessful, the examiner's supervisor, Glenn Burgess can be

reached on 703-305-9717. The fax phone numbers for the

organization where this application or proceeding is assigned are

703-746-7239 for regular communications and 703-746-7238 for

After Final communications.

Any inquiry of a general nature or relating to the status of

this application or proceeding should be directed to the

receptionist whose telephone number is 703-304-3900.

Y. Barqadle
July 10, 2003

KRISNA LIM
PRIMARY EXAMINER